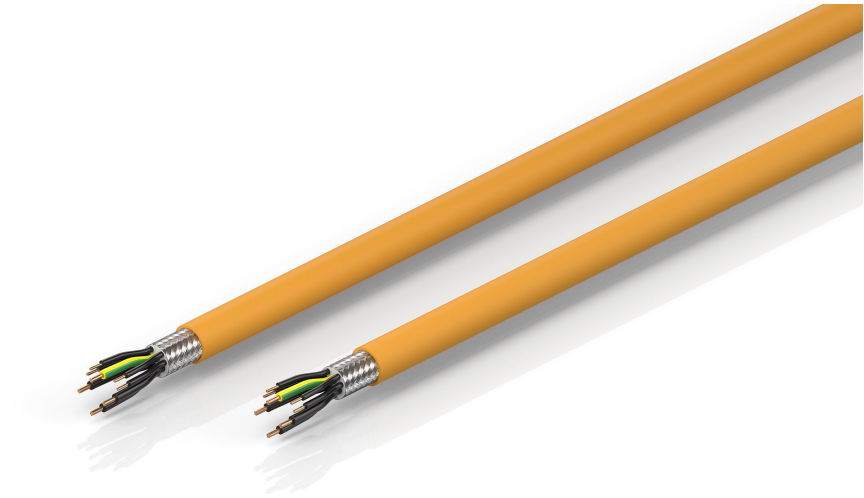
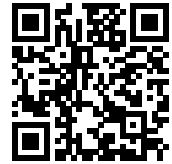


# ZK4509-0015-zzzz | Motor connection cable 4 mm<sup>2</sup> not assembled, drag-chain suitable



Electrical data	
Operating voltage	max. 1000 V AC (UL), U <sub>o</sub> /U 600/1000 V (VDE)
Test voltage	4000 V
Mechanical data	
Cross section (power)	4.00 mm <sup>2</sup> (approx. AWG12)
Cross section (signal)	1 mm <sup>2</sup> (approx. AWG18)
Cross section (brake)	1.50 mm <sup>2</sup> (approx. AWG16)
Min. bending radius, moved in drag chain	10 x outer cable diameter
Weight	420 kg/km (282.198 lb/1000 ft)
Outer cable diameter	15.5 mm ± 0.3 mm (0.6102" ± 0.0118")
Conductor material	Copper bare
Optical covering factor of shielding	≥ 85%
Use	drag-chain suitable
Max. acceleration	20 m/s <sup>2</sup>
Max. speed	3 m/s
Max. number of cycles	5 million
Jacket colour	orange
Material jacket	PUR (polyurethane)

Wire insulation material	TPM
Printing colour	black
Torsion angle in °/m	max. ± 30 °/m
<b>Environmental data</b>	
Operation temperature range, moved	-30...+80 °C, -22...+176 °F. in drag-chain with mechanical strain: -30...+60 °C, -22...+140 °F
Operation temperature range, fixed installation	-45...+80 °C, -49...+176 °F
Oil resistance	according to DIN EN 60811-404
Flame-retardant	according to IEC 60332-1
Halogen-free	yes
Approvals	UL-Style 21223

## Notes

- The following length tolerances apply: 2-3 %
- Illustrations similar

Ordering information	Length
ZK4509-0015-zzzz	sold by the metre

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